

CLAIMS:

1. A cell phone or a small PDA device (hereinafter a cell phone or a small PDA device is referred to as "cell phone" up to claim 19), characterized in that:

the cell phone obtained by connecting two left and right housings having a substantially rectangular parallelepiped shape, wherein:

the cell phone comprises:

about fifteen keys in five rows and three columns provided on the left side face of the left housing to the display provided on the broadest face of the substantially rectangular parallelepiped;

about fifteen keys in five rows and three columns provided on the right side face of the left housing;

about eighteen keys in six rows and three columns provided on the left side face of the right housing; and

about nine keys including at least two shift keys and one set of joy key, or joy stick, or arrow direction key, or cogwheel-type or ball rotation-type input means for taking the task (hereinafter, joy key, a joy stick, an arrow direction key or cogwheel-type or ball rotation-type input means for taking the task is referred to as "joy stick" up to claim 19) provided on the right side face of the right housing,

wherein the cell phone is characterized in that:

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone so that ten fingers of both hands are always placed at the joy stick and the keys (hereinafter a joy stick and keys are referred to as "letter input means" up to claim 19),

left hand thumb is used to operate the keys provided on the left side face of the left housing, left hand's forefinger, middle finger, fourth finger and little finger

are used to operate the keys provided on the right side face of the left housing, right hand thumb is used to operate a joy stick and keys provided on the right side face of the right housing, and right hand's forefinger, middle finger, fourth finger and little finger are used to operate the keys provided on the left side face of the right housing,

a total of about fifty-seven keys and one set of joy stick are provided so that each of the fingers are provided at home positions which provide pressing/operation to a targeted letter input means,

of ten fingers, any one finger or a simultaneous input of right hand thumb and the remaining nine fingers can provide a input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands also can provide, without switching of the conditions such as a shift key, the input of any one letter of about forty-eight letters.

2. A cell phone characterized in that:

the cell phone obtained by connecting two left and right housings having a substantially rectangular parallelepiped shape, wherein:

the cell phone comprises:

about eighteen keys in six rows and three columns provided on the left side face of the left housing to the display provided on the broadest face of the substantially rectangular parallelepiped;

about fifteen keys in five rows and three columns provided on the right side face of the left housing;

about fifteen keys in five rows and three columns provided on the left side face of the right housing; and

about nine keys including at least two shift keys and

one set of joy stick provided on the right side face of the right housing,

wherein the cell phone is characterized in that:

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone so that ten fingers of both hands are always placed at the letter input means,

left hand thumb is used to operate the keys provided on the left side face of the left housing, left hand's forefinger, middle finger, fourth finger and little finger are used to operate the keys provided on the right side face of the left housing, right hand thumb is used to operate a joy stick and keys provided on the right side face of the right housing, and right hand's forefinger, middle finger, fourth finger and little finger are used to operate the keys provided on the left side face of the right housing,

a total of about fifty-seven keys and one set of joy stick are provided so that each of the fingers are provided at home positions which provide pressing/operation to a targeted letter input means,

of ten fingers, any one finger or a simultaneous input of right hand thumb and the remaining nine fingers can provide a input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands also can provide, without switching of the conditions such as a shift key, the input of any one letter of about forty-eight letters.

3. A cell phone characterized in that:

the cell phone obtained by connecting two left and right housings having a substantially rectangular parallelepiped shape, wherein:

the cell phone comprises:

about fifteen keys in five rows and three columns provided on the left side face of the left housing to the display provided on the broadest face of the substantially rectangular parallelepiped;

about eighteen keys in six rows and three columns provided on the right side face of the left housing;

about fifteen keys in five rows and three columns provided on the left side face of the right housing; and

about nine keys including at least two shift keys and one set of joy stick provided on the right side face of the right housing,

wherein the cell phone is characterized in that:

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone so that ten fingers of both hands are always placed at the letter input means,

left hand thumb is used to operate the keys provided on the left side face of the left housing, left hand's forefinger, middle finger, fourth finger and little finger are used to operate the keys provided on the right side face of the left housing, right hand thumb is used to operate a joy stick and keys provided on the right side face of the right housing, and right hand's forefinger, middle finger, fourth finger and little finger are used to operate the keys provided on the left side face of the right housing,

a total of about fifty-seven keys and one set of joy stick are provided so that each of the fingers are provided at home positions which provide pressing/operation to a targeted letter input means,

of ten fingers, any one finger or a simultaneous input of right hand thumb and the remaining nine fingers can provide a input of the letter input means, and

a single key pushing operation by any one finger of

the fingers of both hands also can provide, without switching of the conditions such as a shift key, the input of any one letter of about forty-eight letters.

4. A cell phone, characterized in that:

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on one face of the faces having narrower widths including the longest edge line, about twenty-four keys in eight rows and three columns including at least two shift keys and one set of joy stick,

the main body has, on the other face having narrower widths, about thirty-three keys in eleven rows and three columns,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

the main body of the cell phone having a substantially rectangular parallelepiped shape has a face having a broad width including the longest edge line which is provided with the entirety of a display so that the entirety of the display is provided in substantially front of a user's face while the longitudinal direction of said face having a board width and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

one face having the joy stick has thereon one hand's thumb, the other hand's forefinger, middle finger, fourth finger and little finger, and the other face has thereon the other hand's thumb, one hand's forefinger, middle finger, fourth finger and little finger, thereby allowing the ten fingers of both hands to input letters,

the cell phone is held so that one (other) hand's thumb and the other (one) hand's forefinger and the other

(one) hand's thumb and one (other) hand little finger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to face the user's face,

ten fingers of both hands are placed at the home positions so that the pressing/operation by one hand's thumb to about nine keys including the shift keys and the joy stick, by the respective remaining four fingers to about eighteen keys in six rows and three columns, by the other hand's thumb to about fifteen keys in five rows and three columns, by the respective remaining four fingers to about fifteen keys in five rows and three columns are provided,

of ten fingers, any one finger or a simultaneous input of one thumb and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of about forty-eight letters.

5. A cell phone, characterized in that:

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on one face of the faces having narrower widths including the longest edge line, about twenty-four keys in eight rows and three columns including at least two shift keys and one set of joy stick,

the main body has, on the other face having narrower widths, about thirty-three keys in eleven rows and three columns,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

the main body of the cell phone having a substantially rectangular parallelepiped shape has a face having a broad width including the longest edge line which is provided with the entirety of a display so that the entirety of the display is provided in substantially front of a user's face while the longitudinal direction of said face having a board width and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

one face having the joy stick has thereon one hand's thumb, the other hand's forefinger, middle finger, fourth finger and little finger, and the other face has thereon the other hand's thumb, one hand's forefinger, middle finger, fourth finger and little finger, thereby allowing the ten fingers of both hands to input letters,

the cell phone is held so that one (other) hand's thumb and the other (one) hand's forefinger and the other (one) hand's thumb and one (other) hand little finger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to face the user's face,

ten fingers of both hands are placed at the home positions so that the pressing/operation by one hand's thumb to about nine keys including the shift keys and the joy stick, by the respective remaining four fingers to about fifteen keys in five rows and three columns, by the other hand's thumb to about eighteen keys in six rows and three columns, by the respective remaining four fingers to about fifteen keys in five rows and three columns are provided,

of ten fingers, any one finger or a simultaneous input of one thumb and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of about forty-eight letters.

6. A cell phone, characterized in that:

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on one face of the faces having narrower widths including the longest edge line, about twenty-seven keys in nine rows and three columns including at least two shift keys and one set of joy stick,

the main body has, on the other face having narrower widths, about thirty keys in ten rows and three columns,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

the main body of the cell phone having a substantially rectangular parallelepiped shape has a face having a broad width including the longest edge line which is provided with the entirety of a display so that the entirety of the display is provided in substantially front of a user's face while the longitudinal direction of said face having a board width and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

one face having the joy stick has thereon one hand's thumb, the other hand's forefinger, middle finger, fourth finger and little finger, and the other face has thereon the other hand's thumb, one hand's forefinger, middle finger, fourth finger and little finger, thereby allowing the ten fingers of both hands to input letters,

the cell phone is held so that one (other) hand's thumb and the other (one) hand's forefinger and the other

(one) hand's thumb and one (other) hand little finger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to face the user's face,

ten fingers of both hands are placed at the home positions so that the pressing/operation by one hand's thumb to about nine keys including the shift keys and the joy stick, by the respective remaining four fingers to about fifteen keys in five rows and three columns, by the other hand's thumb to about fifteen keys in five rows and three columns, by the respective remaining four fingers to about eighteen keys in six rows and three columns are provided,

of ten fingers, any one finger or a simultaneous input of one thumb and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of about forty-eight letters.

7. A cell phone, characterized in that:

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on one face of the faces having narrower widths including the longest edge line, about twenty-four keys in eight rows and three columns including at least two shift keys and one set of joy stick,

the main body has, on the other face having narrower widths, about thirty-three keys in eleven rows and three columns,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

a main body of the cell phone having a substantially rectangular parallelepiped shape has one face having the joy stick and narrower widths including the longest edge line, and the face is provided in front of a user's face, the longitudinal direction of said face and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

while the entirety of a display substantially rotated by 90 degrees from the storage position is being provided substantially in front of the user's face, ten fingers of both hands are used for input,

flat faces of the nails of both hand's thumbs and ball faces of the remaining eight fingers (which are provided to the opposite side of the flat face of the nail) are provided substantially in front of the user's face,

the cell phone is held so that a side section of a nail of one (other) hand little finger and a side section of a nail of the other (one) hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to be opposed to both faces of the broadest face of the cell phone main body,

ten fingers of both hands are always placed at the letter input means,

ten fingers of both hands are provided at home positions so that the pressing/operation by one hand's thumb to about nine keys including the shift keys and the joy stick, by the respective remaining four fingers to about eighteen keys in six rows and three columns, by the other hand's thumb to about fifteen keys in five rows and three columns, by the respective remaining four fingers to about fifteen keys in five rows and three columns are provided,

of ten fingers, any one finger or a simultaneous input of one thumb and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of about forty-eight letters.

8. A cell phone, characterized in that:

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on one face of the faces having narrower widths including the longest edge line, about twenty-four keys in eight rows and three columns including at least two shift keys and one set of joy stick,

the main body has, on the other face having narrower widths, about thirty-three keys in eleven rows and three columns,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

a main body of the cell phone having a substantially rectangular parallelepiped shape has one face having the joy stick and narrower widths including the longest edge line, and the face is provided in front of a user's face,

the longitudinal direction of said face and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

while the entirety of a display substantially rotated by 90 degrees from the storage position is being provided substantially in front of the user's face, ten fingers of both hands are used for input,

flat faces of the nails of both hand's thumbs and ball

faces of the remaining eight fingers (which are provided to the opposite side of the flat face of the nail) are provided substantially in front of the user's face,

the cell phone is held so that a side section of a nail of one (other) hand little finger and a side section of a nail of the other (one) hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to be opposed to both faces of the broadest face of the cell phone main body,

ten fingers of both hands are always placed at the letter input means,

ten fingers of both hands are provided at home positions so that the pressing/operation by one hand's thumb to about nine keys including the shift keys and the joy stick, by the respective remaining four fingers to about fifteen keys in five rows and three columns, by the other hand's thumb to about fifteen keys in five rows and three columns, by the respective remaining four fingers to about eighteen keys in six rows and three columns are provided,

of ten fingers, any one finger or a simultaneous input of one thumb and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of about forty-eight letters.

9. A cell phone, characterized in that:

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on one face of the faces having narrower widths including the longest edge line, about twenty-seven keys in nine rows and three

columns including at least two shift keys and one set of joy stick,

the main body has, on the other face having narrower widths, about thirty keys in ten rows and three columns,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

a main body of the cell phone having a substantially rectangular parallelepiped shape has one face having the joy stick and narrower widths including the longest edge line, and the face is provided in front of a user's face,

the longitudinal direction of said face and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

while the entirety of a display substantially rotated by 90 degrees from the storage position is being provided substantially in front of the user's face, ten fingers of both hands are used for input,

flat faces of the nails of both hand's thumbs and ball faces of the remaining eight fingers (which are provided to the opposite side of the flat face of the nail) are provided substantially in front of the user's face,

the cell phone is held so that a side section of a nail of one (other) hand little finger and a side section of a nail of the other (one) hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to be opposed to both faces of the broadest face of the cell phone main body,

ten fingers of both hands are always placed at the letter input means,

ten fingers of both hands are provided at home positions so that the pressing/operation by one hand's thumb to about nine keys including the shift keys and the

joy stick, by the respective remaining four fingers to about fifteen keys in five rows and three columns, by the other hand's thumb to about eighteen keys in six rows and three columns, by the respective remaining four fingers to about fifteen keys in five rows and three columns are provided,

of ten fingers, any one finger or a simultaneous input of one thumb and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of about forty-eight letters.

10. The cell phone according to any one of claims 1 to 9, characterized in that, while any one of said shift keys is being pushed, a single key pushing operation by any one finger of the remaining nine fingers of both hands or a single simultaneous key pushing operation by any one of said shift keys and any one finger of the remaining nine fingers of both hands newly provides the input of any one letter of about forty-eight letters other than the forty-eight letters.

11. The cell phone according to any one of claims 1 to 10, wherein:

when one hand is not available, input means which can be operated only by five fingers of one available hand are enabled and the remaining input means are disabled, thereby allowing the right to control the input of letters to be transferred to the input means which can be operated only by five fingers of one hand,

the cell phone is held by one hand so that five

fingers of the one hand holding the cell phone are always placed at the home positions of the letter input means, and of five fingers, any one finger or a simultaneous input of one thumb and the other four fingers can provide a input of the letter input means.

12. The cell phone according to any one of claims 4 to 9, characterized in that the cell phone can be folded into two at a substantially center position in the longitudinal direction for providing a small shape which can be conveniently carried.

13. The cell phone according to any one of claims 1 to 3, wherein a single key depressing operation by a finger provides the input of any one letter of at least forty-eight characters of Hiragana "あ", "い", "う", "え", "お", "か", "き", , "ま", "み", "む", "め", "も", "や", "ゆ", "よ", "ら", "り", "る", "れ", "ろ", "わ", "を", "ん", a voiced sound "゛" and a voiceless sound "゜", by the keys arranged in the left and right side face of the left housing and the left side face of the right housing, and while the one shift key is being pushed by right hand thumb, a single key depressing operation of said same key by other finger also provides the input of any one of at least nine Japanese lowercase of "あ", "い", "う", "え", "お", "や", "ゆ", "よ", "つ", and while the other shift key is being pushed by one hand thumb, a single key depressing operation by other finger also provides the input of any one of at least twenty-six alphabet letters and ten numeric characters from "1", "2", "3", , to "0".

14. The cell phone according to any one of claims 1 to 3, wherein the cell phone has, on the left and right side face of the left housing and the left side face of the right housing, keys for inputting at least forty Hiragana characters of "あ", "い", "う", "え", "お" and "か", "き",, "ほ" and "ま", "み", "む", "め", "も" and "ら", "り", "る", "れ", "ろ", which are arranged in 50 sound arrangement in a sequential order of each five characters on one column.

15. The cell phone according to any one of claims 4 to 9, wherein a single key depressing operation by other nine fingers except for one thumb provides the input of any one letter of at least forty-eight characters of Hiragana "あ", "い", "う", "え", "お", "か", "き",, "ま", "み", "む", "め", "も", "や", "ゆ", "よ", "ら", "り", "る", "れ", "ろ", "わ", "を", "ん", a voiced sound "゛" and a voiceless sound "゜", and

while the one shift key is being pushed by one hand thumb, a single key depressing operation of said same key by other finger also provides the input of any one of at least nine Japanese lowercase of "あ", "い", "う", "え", "お", "や", "ゆ", "よ", "つ", and

while the other shift key is being pushed by one hand thumb, a single key depressing operation by other finger also provides the input of any one of at least twenty-six alphabet letters and ten numeric characters from "1", "2", "3",, to "0".

16. The cell phone according to any one of claims 4 to 9, wherein the cell phone has, on the keys inputted by other

nine fingers except for one thumb, at least forty Hiragana characters of "あ", "い", "う", "え", "お" and "か", "き", , "ほ" and "ま", "み", "む", "め", "も" and "ら", "り", "る", "れ", "ろ", which are arranged in 50 sound arrangement in a sequential order of each five characters on one column.

17. A cell phone, characterized in that:

the cell phone is obtained by connecting two housings at left and right,

the cell phone comprises:

at least six keys provided on the left side face of the left housing;

at least ten keys provided on the right side face of the left housing;

at least ten keys provided on the left side face of the right housing;

at least two keys and at least one set of joy stick provided on the right side face of the right housing;

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

left hand thumb is used to operate the keys provided on the left side face of the left housing, left hand's forefinger, middle finger, fourth finger and little finger are used to operate the keys provided on the right side face of the left housing, right hand thumb is used to operate a joy stick and keys provided on the right side face of the right housing, and right hand's forefinger, middle finger, fourth finger and little finger are used to operate the keys provided on the left side face of the right housing,

ten fingers of both hands are always placed at the

letter input means,

wherein the cell phone has, on the position which can be operated by any one finger of the left hand, function key (different from said keys) which can be performed by cooperating with the joy key, for performing copying, cutting and pasting of e-mail sentence etc. which is already made in the display of the cell phone.

18. A cell phone, characterized in that:

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on one face of faces having narrower widths including the longest edge line, at least twelve keys including at least two shift keys and one set of joy stick,

the main body has, on the other face having narrower widths, at least sixteen keys,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

the main body of the cell phone having a substantially rectangular parallelepiped shape has a face having a board width including the longest edge line which is provided with the entirety of a display so that the entirety of the display is provided in substantially front of a user's face while the longitudinal direction of the face having a board width and a straight line running from the front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

one face having the joy sticks has thereon one hand's thumb, the other hand's forefinger, middle finger, fourth finger, and little finger, and the other face has thereon the other hand's thumb, one hand's forefinger, middle finger, fourth finger, and little finger, thereby allowing the ten fingers of both hands to input,

the cell phone is held so that one (other) hand's thumb and the other (one) hand's forefinger and the other (one) hand's thumb and one (other) hand little finger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to face the user's face,

ten fingers of both hands are always placed at the letter input means,

wherein the cell phone has, on the position which can be operated by any one finger of hand which is not operating the joy stick, function key (different from said keys) which can be performed by cooperating with the joy key, for performing copying, cutting and pasting of e-mail sentence etc. which is already made in the display of the cell phone.

19. A cell phone, characterized in that:

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on one face of faces having narrower widths including the longest edge line, at least eight keys including at least two shift keys and one set of joy stick,

the main body has, on the other face having narrower widths, at least twenty keys,

the cell phone is held so that side section of the hand are shifted so that each side approach to each other, thereby allowing palms of both hands to be opposed to both faces of the broadest face of the cell phone main body,

ten fingers of both hands are always placed at the letter input means,

wherein the cell phone has, on the position which can be operated by any one finger of hand which is not operating the joy stick, function key (different from said

keys) which can be performed by cooperating with the joy key, for performing copying, cutting and pasting of e-mail sentence etc. which is already made in the display of the cell phone.

20. A cell phone or a small PDA device (hereinafter a cell phone or a small PDA device is referred to as "cell phone" up to claim 31), characterized in that:

a main body of the cell phone is held by both hands, the main body of the cell phone having a substantially rectangular parallelepiped shape has, on both faces having narrower widths including the longest edge line, at least four shift keys, at least one set of joy key, or joy stick, or arrow direction key, or cogwheel-type or ball rotation-type input means for taking the task (hereinafter, joy key, or joy stick, or arrow direction key, or cogwheel-type or ball rotation-type input means for taking the task is referred to as "joy stick" up to claim 31), and at least twenty-six keys,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

the main body of the cell phone having a substantially rectangular parallelepiped shape has a face having a broad width including the longest edge line which is provided with the entirety of a display so that the entirety of the display is provided in substantially front of a user's face while the longitudinal direction of the face having a board width and a straight line running from the front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

one face having the joy sticks has thereon one hand's thumb, the other hand's forefinger, middle finger, fourth finger, and little finger, and the other face has thereon

the other hand's thumb, one hand's forefinger, middle finger, fourth finger, and little finger, thereby allowing the ten fingers of both hands to input,

the cell phone is held so that one hand's thumb and the other hand's forefinger and the other hand's thumb and one hand little finger or one hand thumb and the other hand's little finger and the other hand's thumb and one hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to face the user's face,

ten fingers of both hands are always placed at the joy stick and the keys (hereinafter joy stick and keys are referred to as "letter input means" up to claim 31), shift keys are assigned to any two fingers of each forefinger, middle finger, fourthfinger or little finger so that the fingers are placed at home positions for providing the pressing/operation of a targeted letter input means,

at least a total of thirty keys including said shift keys and said joy stick are provided so that the pressing/operation by one hand's thumb to the shift keys and the joy stick, the pressing/operation by the both hand's thumb to at least six keys, the pressing/operation by each of two forefingers to at least four keys, and the pressing/operation by each of the remaining six fingers to at least two keys are performed,

of ten fingers, any one finger or a simultaneous input of one finger for shift key and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of at least twenty-six alphabet letters or at least twenty-six letters of other kinds.

21. A cell phone, characterized in that:

a main body of the cell phone is held by both hands,
the main body of the cell phone having a substantially rectangular parallelepiped shape has, on both faces having narrower widths including the longest edge line, at least four shift keys, at least one set of joy stick, and at least twenty-six keys,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

a main body of the cell phone having a substantially rectangular parallelepiped shape has one face having the joy stick and narrower widths including the longest edge line, and the face is provided in front of a user's face,

the longitudinal direction of the face and a straight line running from the front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

while the entirety of a display substantially rotated by 90 degrees from the storage position is being provided substantially in front of the user's face, ten fingers of both hands are used for input,

flat faces of the nails of both hand's thumbs and ball faces of the remaining eight fingers (which are provided to the opposite side of the flat face of the nail) are provided substantially in front of the user's face,

the cell phone is held so that a side section of a nail of one hand little finger and a side section of a nail of the other hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to be opposed to both faces of the broadest face of the cell phone main body,

ten fingers of both hands are always placed at the

letter input means, shift keys are assigned to any two fingers of each forefinger, middle finger, fourthfinger or little finger so that the fingers are placed at home positions for providing the pressing/operation of a targeted letter input means,

at least a total of thirty keys including said shift keys and said joy stick are provided so that the pressing/operation by one hand's thumb to the shift keys and the joy stick, the pressing/operation by the both hand's thumb to at least six keys, the pressing/operation by each of two forefingers to at least four keys, and the pressing/operation by each of the remaining six fingers to at least two keys are performed,

of ten fingers, any one finger or a simultaneous input of one finger for shift key and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of at least twenty-six alphabet letters or at least twenty-six letters of other kinds.

22. A cell phone, characterized in that:

the cell phone is obtained by connecting two housings at left and right,

the cell phone comprises:

total of at least ten keys and at least one set of joy stick provided on both the left side face of the left housing and the right side face of the right housing;

at least ten keys provided on the right side face of the left housing;

at least ten keys provided on the left side face of the right housing, or

total of at least six keys and at least one set of joy stick provided on both the left side face of the left housing and the right side face of the right housing;

at least twelve keys provided on the right side face of the left housing;

at least twelve keys provided on the left side face of the right housing,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

a right hand is used to operate only letter input means provided on the right housing and a left hand is used to operate only letter input means provided on the left housing,

ten fingers of both hands are always placed at the letter input means,

total of at least thirty keys including four shift keys and the joy stick are provided so that left hand thumb is used to operate the letter input means provided on the left side face of the left housing, remaining left hand's four fingers are used to operate the letter input means provided on the right side face of the left housing, right hand thumb is used to operate the letter input means provided on the right side face of the right housing, and remaining right hand's four fingers are used to operate the letter input means provided on the left side face of the right housing,

the shift keys are assigned to any two fingers of each forefinger, middle finger, fourthfinger or little finger so that the fingers are placed at home positions for providing the pressing/operation of a targeted letter input means,

of ten fingers, any one finger or a simultaneous input of one finger for shift key and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of at least twenty-six alphabet letters or at least twenty-six letters of other kinds.

23. A cell phone, characterized in that:

a main body of the cell phone is held by both hands,
the main body of the cell phone having a substantially rectangular parallelepiped shape has, on both faces having narrower widths including the longest edge line, at least two shift keys, at least one set of joy stick, and thirty-nine to forty-eight keys,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

the main body of the cell phone having a substantially rectangular parallelepiped shape has a face having a board width including the longest edge line which is provided with the entirety of a display so that the entirety of the display is provided in substantially front of a user's face while the longitudinal direction of said face having a board width and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

one face having the joy stick has thereon one hand's thumb, the other hand's forefinger, middle finger, fourth finger, and little finger, and the other face has thereon the other hand's thumb, one hand's forefinger, middle finger, fourth finger, and little finger, thereby allowing the ten fingers of both hands to input letters,

the cell phone is held so that one hand's thumb and the other hand's forefinger and the other hand's thumb and one hand little finger or one hand thumb and the other

hand's little finger and the other hand's thumb and one hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to face the user's face,

ten fingers of both hands are always placed at the letter input means,

total of forty-one to fifty keys including said shift keys, and said joy stick are provided so that the pressing/operation by one hand's thumb to the joy stick, by the both hand's thumbs to at least nine keys, by each of two forefingers to at least six keys, by each of the remaining six fingers to at least three keys are provided,

shift keys are assigned to any two fingers of each forefinger, middle finger, fourthfinger or little finger so that the fingers are placed at home positions for providing the pressing/operation of a targeted letter input means,

of ten fingers, any one finger or a simultaneous input of one finger for shift key and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of about thirty-nine letters.

24. A cell phone, characterized in that:

a main body of the cell phone is held by both hands,

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on both faces having narrower widths including the longest edge line, at least two shift keys, at least one set of joy stick, and thirty-nine to forty-eight keys,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

a main body of the cell phone having a substantially rectangular parallelepiped shape has one face having the joy stick and narrower widths including the longest edge line, and the face is provided in front of a user's face, the longitudinal direction of said face and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

while the entirety of a display substantially rotated by 90 degrees from the storage position is being provided substantially in front of the user's face, ten fingers of both hands are used for input,

flat faces of the nails of both hand's thumbs and ball faces of the remaining eight fingers (which are provided to the opposite side of the flat face of the nail) are provided substantially in front of the user's face,

the cell phone is held so that a side section of a nail of one hand little finger and a side section of a nail of the other hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to be opposed to both faces of the broadest face of the cell phone main body,

ten fingers of both hands are always placed at the letter input means,

total of forty-one to fifty keys including said shift keys, and said joy stick are provided so that the pressing/operation by one hand's thumb to the joy stick, by the both hand's thumbs to at least nine keys, by each of two forefingers to at least six keys, by each of the remaining six fingers to at least three keys are provided,

shift keys are assigned to any two fingers of each forefinger, middle finger, fourthfinger or little finger so that the fingers are placed at home positions for providing

the pressing/operation of a targeted letter input means,
of ten fingers, any one finger or a simultaneous input
of one finger for shift key and the remaining nine fingers
can provide the input of the letter input means, and
a single key pushing operation by any one finger of
the fingers of both hands can provide, without switching of
the conditions such as a shift key, the input of any one
letter of about thirty-nine letters.

25. A cell phone, characterized in that:

the cell phone is obtained by connecting two housings
at left and right,

the cell phone comprises:

total of at least eleven keys and at least one set of
joy stick provided on both the left side face of the left
housing and the right side face of the right housing;

at least fifteen keys provided on the right side face
of the left housing;

at least fifteen keys provided on the left side face
of the right housing, or

total of at least nine keys and at least one set of
joy stick provided on both the left side face of the left
housing and the right side face of the right housing;

at least sixteen keys provided on the right side face
of the left housing;

at least sixteen keys provided on the left side face
of the right housing,

the thumbs and the respective remaining four fingers
of both hands sandwich the cell phone,

a right hand is used to operate only letter input
means provided on the right housing and a left hand is used
to operate only letter input means provided on the left
housing,

ten fingers of both hands are always placed at the letter input means, and

forty-one to fifty keys including at least two shift keys, and said joy stick are provided so that left hand thumb is used to operate the letter input means provided on the left side face of the left housing, remaining left hand's four fingers are used to operate the letter input means provided on the right side face of the left housing, right hand thumb is used to operate the letter input means provided on the right side face of the right housing, and remaining right hand's four fingers are used to operate the letter input means provided on the left side face of the right housing,

the shift keys are assigned to any two fingers of each forefinger, middle finger, fourthfinger or little finger so that the fingers are placed at home positions for providing the pressing/operation of a targeted letter input means,

of ten fingers, any one finger or a simultaneous input of one finger for shift key and the remaining nine fingers can provide the input of the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of about thirty-nine letters.

26. A cell phone, characterized in that:

a main body of the cell phone is held by both hands,

the main body of the cell phone having a substantially rectangular parallelepiped shape has, on both faces having narrower widths including the longest edge line, at least one set of joy stick, and at least twenty-six keys in total,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

the main body of the cell phone having a substantially rectangular parallelepiped shape has a face having a broad width including the longest edge line which is provided with the entirety of a display so that the entirety of the display is provided in substantially front of a user's face while the longitudinal direction of said face having a board width and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

one face having the joy stick has thereon one hand's thumb, the other hand's forefinger, middle finger, fourth finger, and little finger, and the other face has thereon the other hand's thumb, one hand's forefinger, middle finger, fourth finger, and little finger, thereby allowing the ten fingers of both hands to input,

the cell phone is held so that one hand's thumb and the other hand's forefinger and the other hand's thumb and one hand little finger or one hand thumb and the other hand's little finger and the other hand's thumb and one hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to face the user's face,

ten fingers of both hands are always placed at the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of at least twenty-six alphabet letters or at least twenty-six letters of other kinds.

27. A cell phone, characterized in that:

a main body of the cell phone is held by both hands,
the main body of the cell phone having a substantially

rectangular parallelepiped shape has, on both faces having narrower widths including the longest edge line, at least one set of joy stick, and at least twenty-six keys in total,

the thumbs and the respective remaining four fingers of both hands sandwich the cell phone,

a main body of the cell phone having a substantially rectangular parallelepiped shape has one face having the joy sticks and narrower widths including the longest edge line, and said face is provided in front of a user's face,

the longitudinal direction of said face and a straight line running from the user's front teeth to a center point between the eyebrows are provided in a substantially parallel manner,

while the entirety of a display substantially rotated by 90 degrees from the storage position is being provided substantially in front of the user's face, ten fingers of both hands are used for input,

flat faces of the nails of both hand's thumbs and ball faces of the remaining eight fingers (which are provided to the opposite side of the flat face of the nail) substantially turns to the user's face,

the cell phone is held so that a side section of a nail of one hand little finger and a side section of a nail of the other hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to be opposed to both faces of the broadest face of the cell phone main body,

ten fingers of both hands are always placed at the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of at least twenty-six alphabet letters or at least

twenty-six letters of other kinds.

28. A communication equipment, characterized in that:

a main body of the communication equipment is held by both hands,

the main body of the communication equipment having a substantially rectangular parallelepiped shape has, on both faces having narrower widths including the longest edge line, at least one set of joy stick, and at least twenty-six keys in total,

the thumbs and the respective remaining four fingers of both hands sandwich the communication equipment,

a front face having a broad width including the longest edge line of the main body of the communication equipment is turned upwards when the user looks at a display provided within the limits of user's field of view apart from the communication equipment while the longitudinal direction of said face having a board width and a straight line running from the user's body to the display are provided in a substantially parallel manner,

one face having the joy stick has thereon one hand's thumb, the other hand's forefinger, middle finger, fourth finger, and little finger, and the other face has thereon the other hand's thumb, one hand's forefinger, middle finger, fourth finger, and little finger, thereby allowing the ten fingers of both hands to input,

the communication equipment is held so that one hand's thumb and the other hand's forefinger and the other hand's thumb and one hand little finger or one hand thumb and the other hand's little finger and the other hand's thumb and one hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to face the rear face of the communication

equipment,

ten fingers of both hands are always placed at the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of at least twenty-six alphabet letters or at least twenty-six letters of other kinds.

29. A communication equipment, characterized in that:

a main body of the communication equipment is held by both hands,

the main body of the communication equipment having a substantially rectangular parallelepiped shape has, on both faces having narrower widths including the longest edge line, at least one set of joy stick, and at least twenty-six keys in total,

the thumbs and the respective remaining four fingers of both hands sandwich the communication equipment,

one face having the joy stick and narrower widths including the longest edge line of the main body of the communication equipment is turned upwards when the user looks at a display provided within the limits of user's field of view apart from the communication equipment while the longitudinal direction of said face having the narrower widths and a straight line running from the user's body to the display are provided in a substantially parallel manner,

flat faces of the nails of both hand's thumbs and ball faces of the remaining eight fingers (which are provided to the opposite side of the flat face of the nail) are substantially turned upwards,

the communication equipment is held so that a side section of a nail of one hand little finger and a side

section of a nail of the other hand's forefinger are shifted so that the former and the latter approach to each other, thereby allowing palms of both hands to be opposed to both faces of the broadest face of the communication equipment main body,

ten fingers of both hands are always placed at the letter input means, and

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of at least twenty-six alphabet letters or at least twenty-six letters of other kinds.

30. A communication equipment for receiving and transmitting the information while driving the automobile characterized in that:

the input device of the communication equipment is provided on the steering handle of the automobile which can be gripped by both hands so that the input device can be used for letter input,

In the state of the handle angle at the time of going straight while driving the automobile,

at least six keys in three rows and two columns provided on the contact surface by the ball face (which is provided to the opposite side of the flat face of the nail) of the left hand thumb on the left side of the gripping handle,

at least ten keys in five rows and two columns provided on the contact surface by the ball faces (which are provided to the opposite side of the flat face of the nail) of the left hand forefinger, middle finger, fourth finger and little finger on the left side of the gripping handle,

at least one set of joy key and at least six keys in three rows and two columns including at least two shift keys provided on the contact surface by the ball face (which is provided to the opposite side of the flat face of the nail) of the right hand thumb on the right side of the gripping handle,

at least ten keys in five rows and two columns provided on the contact surface by the ball faces (which are provided to the opposite side of the flat face of the nail) of the right hand forefinger, middle finger, fourth finger and little finger on the right side of the gripping handle,

ten fingers of both hands are always placed at the letter input means, and

while said handle is being provided substantially in front of the user's body, both hands are used for input by gripping and inserting the handle between the thumb and the other four fingers of both hands while watching the display provided on the position near the driver's seat.

a single key pushing operation by any one finger of the fingers of both hands can provide, without switching of the conditions such as a shift key, the input of any one letter of at least twenty-six alphabet letters or at least twenty-six letters of other kinds.

31. The communication equipment according to claim 30, characterized in that,

said letter input means can be manufactured independently apart from the handle body for driving, and said letter input means can be also attached by covering the handle of the automobile,

said letter input means can be exchanged easily by removing only said letter input means from the handle.

32. The communication equipment according to claim 30, characterized in that, for allowing a reaction force of pressing/operation by letter input means on thumb side to be accepted by forefinger, middle finger, fourth finger and little finger, and for allowing a reaction force of pressing/operation by letter input means on forefinger, middle finger, fourth finger and little finger side to be accepted by thumb, and for preventing keys from being erroneously pushed, neighboring keys have thereamong a frame higher than height of the keys.

33. The communication equipment according to claim 32, characterized in that a specific position of said frame according to claim 32 has thereon a projection, thereby allowing a user to tactilely know where a current position of user's finger is.

34. The communication equipment according to 32, characterized in that home positions for at least ten fingers on the frame according to claim 32 are provided with concavities for accepting the fingers, thereby allowing a user's ten fingers to tactilely know where the home positions are so as to guide the ten fingers to the home positions.

35. The communication equipment according to claim 30, wherein for indicating the correspondence between the letter input means and letters to be inputted, the communication equipment always has a print, on the surface of the handle thereof, near the key, showing the key corresponding to the letters to be inputted.

36. The communication equipment according to claim 30, wherein for indicating the letters selected by a shift key, the communication equipment has, on the display thereof, an indication to guide the letter keys corresponding to the state at the time of shift key.

37. The cell phone or the communication equipment according to any one of claims 1 to 9, 17 to 30, wherein: one set of two-way joy key is used instead of neighboring two keys, or

one set of two-way joy key and one key are used instead of neighboring three keys.

38. The cell phone or the communication equipment according to any one of claims 1 to 9, 17 to 30, wherein:

the cell phone can restrict the input means only to the letter input means of the range which can be operated by one hand, and said input means can be switched to the mode in which the letter input of a sentence is possible.